Maureen K Purcell

List of Publications by Year
in descending order

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68 papers	3,585 citations	201575 27 h-index	133188 59 g-index
70 all docs	70 docs citations	70 times ranked	3402 citing authors

#	Article	IF	Citations
1	The evolution of vertebrate Toll-like receptors. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9577-9582.	3.3	1,026
2	Quantitative expression profiling of immune response genes in rainbow trout following infectious haematopoietic necrosis virus (IHNV) infection or DNA vaccination. Fish and Shellfish Immunology, 2004, 17, 447-462.	1.6	208
3	A genomic view of the NOD-like receptor family in teleost fish: identification of a novel NLR subfamily in zebrafish. BMC Evolutionary Biology, 2008, 8, 42.	3.2	199
4	Characterization of Toll-like receptor 3 gene in rainbow trout (Oncorhynchus mykiss). Immunogenetics, 2005, 57, 510-519.	1.2	163
5	Comprehensive gene expression profiling following DNA vaccination of rainbow trout against infectious hematopoietic necrosis virus. Molecular Immunology, 2006, 43, 2089-2106.	1.0	149
6	Evolution of the CD4 Family: Teleost Fish Possess Two Divergent Forms of CD4 in Addition to Lymphocyte Activation Gene-3. Journal of Immunology, 2006, 177, 3939-3951.	0.4	116
7	Conservation of Toll-like receptor signaling pathways in teleost fish. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2006, 1, 77-88.	0.4	113
8	Identification, characterization and genetic mapping of TLR7, TLR8a1 and TLR8a2 genes in rainbow trout (Oncorhynchus mykiss). Developmental and Comparative Immunology, 2010, 34, 219-233.	1.0	95
9	Differential virulence mechanisms of infectious hematopoietic necrosis virus in rainbow trout (Oncorhynchus mykiss) include host entry and virus replication kinetics. Journal of General Virology, 2009, 90, 2172-2182.	1.3	90
10	Strand-specific, real-time RT-PCR assays for quantification of genomic and positive-sense RNAs of the fish rhabdovirus, Infectious hematopoietic necrosis virus. Journal of Virological Methods, 2006, 132, 18-24.	1.0	82
11	Immunity to Fish Rhabdoviruses. Viruses, 2012, 4, 140-166.	1.5	82
12	Major Histocompatibility Complex Loci are Associated with Susceptibility of Atlantic Salmon to Infectious Hematopoietic Necrosis Virus. Environmental Biology of Fishes, 2004, 69, 307-316.	0.4	81
13	Characterization of the interferon genes in homozygous rainbow trout reveals two novel genes, alternate splicing and differential regulation of duplicated genes. Fish and Shellfish Immunology, 2009, 26, 293-304.	1.6	81
14	Potential drivers of virulence evolution in aquaculture. Evolutionary Applications, 2016, 9, 344-354.	1.5	81
15	Transcriptome analysis of rainbow trout infected with high and low virulence strains of Infectious hematopoietic necrosis virus. Fish and Shellfish Immunology, 2011, 30, 84-93.	1.6	62
16	Universal reverse-transcriptase real-time PCR for infectious hematopoietic necrosis virus (IHNV). Diseases of Aquatic Organisms, 2013, 106, 103-115.	0.5	62
17	Early viral replication and induced or constitutive immunity in rainbow trout families with differential resistance to Infectious hematopoietic necrosis virus (IHNV). Fish and Shellfish Immunology, 2010, 28, 98-105.	1.6	55
18	Identification, characterization and genetic mapping of TLR1 loci in rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	54

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19	Infectious haematopoietic necrosis virus genogroupâ€specific virulence mechanisms in sockeye salmon, Oncorhynchus nerka (Walbaum), from Redfish Lake, Idaho. Journal of Fish Diseases, 2009, 32, 619-631.	0.9	51
20	Amplification and transport of an endemic fish disease by an introduced species. Biological Invasions, 2010, 12, 3665-3675.	1.2	45
21	Piscine Reovirus: Genomic and Molecular Phylogenetic Analysis from Farmed and Wild Salmonids Collected on the Canada/US Pacific Coast. PLoS ONE, 2015, 10, e0141475.	1.1	43
22	Piscine reovirus, but not Jaundice Syndrome, was transmissible to Chinook Salmon, Oncorhynchus tshawytscha (Walbaum), Sockeye Salmon, Oncorhynchus nerka (Walbaum), and Atlantic Salmon, Salmo salar L.. Journal of Fish Diseases, 2016, 39, 117-128.	0.9	41
23	Quantitative Polymerase Chain Reaction (PCR) for Detection of Aquatic Animal Pathogens in a Diagnostic Laboratory Setting. Journal of Aquatic Animal Health, 2011, 23, 148-161.	0.6	40
24	Transcriptional profiling of MHC class I genes in rainbow trout infected with infectious hematopoietic necrosis virus. Molecular Immunology, 2008, 45, 1646-1657.	1.0	39
25	Molecular testing of adult Pacific salmon and trout (Oncorhynchus spp.) for several <scp>RNA</scp> viruses demonstrates widespread distribution of piscine orthoreovirus in Alaska and Washington. Journal of Fish Diseases, 2018, 41, 347-355.	0.9	30
26	Inhibition of an Aquatic Rhabdovirus Demonstrates Promise of a Broad-Spectrum Antiviral for Use in Aquaculture. Journal of Virology, 2017, 91, .	1.5	29
27	Pathological and immunological responses associated with differential survival of Chinook salmon following Renibacterium salmoninarum challenge. Diseases of Aquatic Organisms, 2010, 90, 31-41.	0.5	27
28	Benchâ€top validation testing of selected immunological and molecular <scp>R</scp>enibacterium salmoninarum diagnostic assays by comparison with quantitative bacteriological culture. Journal of Fish Diseases, 2013, 36, 779-809.	0.9	26
29	Recommended reporting standards for test accuracy studies of infectious diseases of finfish, amphibians, molluscs and crustaceans: the STRADAS-aquatic checklist. Diseases of Aquatic Organisms, 2016, 118, 91-111.	0.5	25
30	Fine mapping of Ath6, a quantitative trait locus for atherosclerosis in mice. Mammalian Genome, 2001, 12, 495-500.	1.0	24
31	Decreased Mortality of Lake Michigan Chinook Salmon after Bacterial Kidney Disease Challenge: Evidence for Pathogen-Driven Selection?. Journal of Aquatic Animal Health, 2008, 20, 225-235.	0.6	23
32	Development and validation of a quantitative PCR to detect Parvicapsula minibicornis and comparison to histologically ranked infection of juvenile Chinook salmon, Oncorhynchus tshawytscha (Walbaum), from the Klamath River, USA. Journal of Fish Diseases, 2009, 32, 183-192.	0.9	22
33	Sequence analysis of the internal transcribed spacer (ITS) region reveals a novel clade of Ichthyophonus sp. from rainbow trout. Diseases of Aquatic Organisms, 2010, 89, 179-183.	0.5	20
34	Broad-spectrum antiviral JL122 blocks infection and inhibits transmission of aquatic rhabdoviruses. Virology, 2018, 525, 143-149.	1.1	19
35	Testing of candidate non-lethal sampling methods for detection of Renibacterium salmoninarum in juvenile Chinook salmon Oncorhynchus tshawytscha. Diseases of Aquatic Organisms, 2015, 114, 21-43.	0.5	17
36	Effects of temperature on <scp>R</scp>enibacterium salmoninarum infection and transmission potential in <scp>C</scp>hinook salmon, <scp>O</scp>ncorhynchus tshawytscha (<scp>W</scp>albaum). Journal of Fish Diseases, 2016, 39, 787-798.	0.9	17

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37	Differential growth of U and M type infectious haematopoietic necrosis virus in a rainbow troutâ€“derived cell line, RTGâ€2. Journal of Fish Diseases, 2010, 33, 583-591.	0.9	16
38	Consequences of Piscine orthoreovirus genotype 1 (PRVâ€1) infections in Chinook salmon () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Fish Diseases, 2020, 43, 719-728.	0.9	16
39	Differential Survival of Ichthyophonus Isolates Indicates Parasite Adaptation to its Host Environment. Journal of Parasitology, 2008, 94, 1055-1059.	0.3	15
40	Induction of anti-viral genes during acute infection with Viral hemorrhagic septicemia virus (VHSV) genogroup IVa in Pacific herring (Clupea pallasii). Fish and Shellfish Immunology, 2012, 32, 259-267.	1.6	15
41	Ichthyophonus parasite phylogeny based on ITS rDNA structure prediction and alignment identifies six clades, with a single dominant marine type. Diseases of Aquatic Organisms, 2016, 120, 125-141.	0.5	14
42	Production and characterization of monoclonal antibodies to IgM of Pacific herring (Clupea pallasii). Fish and Shellfish Immunology, 2012, 33, 552-558.	1.6	13
43	Analytical validation of a reverse transcriptase droplet digital PCR (RT-ddPCR) for quantitative detection of infectious hematopoietic necrosis virus. Journal of Virological Methods, 2017, 245, 73-80.	1.0	13
44	Genomes reveal genetic diversity of Piscine orthoreovirus in farmed and free-ranging salmonids from Canada and USA. Virus Evolution, 2020, 6, veaa054.	2.2	13
45	Atlantic salmon, <scp>S</scp>almo salar <scp>L</scp>. are broadly susceptible to isolates representing the <scp>N</scp>orth <scp>A</scp>merican genogroups of infectious hematopoietic necrosis virus. Journal of Fish Diseases, 2016, 39, 55-67.	0.9	11
46	Genetic variation underlying resistance to infectious hematopoietic necrosis virus in a steelhead trout (Oncorhynchus mykiss) population. Diseases of Aquatic Organisms, 2015, 117, 77-83.	0.5	11
47	Genetic Variation in Bacterial Kidney Disease (BKD) Susceptibility in Lake Michigan Chinook Salmon and Its Progenitor Population from the Puget Sound. Journal of Aquatic Animal Health, 2014, 26, 9-18.	0.6	10
48	Transmission routes maintaining a viral pathogen of steelhead trout within a complex multiâ€host assemblage. Ecology and Evolution, 2017, 7, 8187-8200.	0.8	10
49	Restricted growth of U-type infectious haematopoietic necrosis virus (IHNV) in rainbow trout cells may be linked to casein kinase II activity. Journal of Fish Diseases, 2011, 34, 115-129.	0.9	9
50	Identification of the major capsid protein of erythrocytic necrosis virus (ENV) and development of quantitative real-time PCR assays for quantification of ENV DNA. Journal of Veterinary Diagnostic Investigation, 2016, 28, 382-391.	0.5	8
51	Resistance and Protective Immunity in Redfish Lake Sockeye Salmon Exposed to M Type Infectious Hematopoietic Necrosis Virus (IHNV). Journal of Aquatic Animal Health, 2010, 22, 129-139.	0.6	7
52	Temperature Variation and Host Immunity Regulate Viral Persistence in a Salmonid Host. Pathogens, 2021, 10, 855.	1.2	7
53	U.S. Response to a Report of Infectious Salmon Anemia Virus in Western North America. Fisheries, 2014, 39, 501-506.	0.6	6
54	Detection of Nanophyetus salmincola in Water, Snails, and Fish Tissues by Quantitative Polymerase Chain Reaction. Journal of Aquatic Animal Health, 2017, 29, 189-198.	0.6	6

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55	Development of a Real-Time Pcr Assay for Detection of Planktonic Red King Crab (Paralithodes) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	5
56	Observations and first reports of saprolegniosis in AanaakÅ‚iq, broad whitefish (Coregonus nasus), from the Colville River near Nuiqsut, Alaska. Polar Science, 2017, 14, 78-82.	0.5	5
57	A systematic surveillance programme for infectious salmon anaemia virus supports its absence in the Pacific Northwest of the United States. Journal of Fish Diseases, 2018, 41, 337-346.	0.9	5
58	Susceptibility of ocean- and stream-type Chinook salmon to isolates of the L, U, and M genogroups of infectious hematopoietic necrosis virus (IHNV). Diseases of Aquatic Organisms, 2016, 121, 15-28.	0.5	5
59	Detection of Ichthyophonus by chromogenic in situ hybridization. Journal of Fish Diseases, 2015, 38, 853-857.	0.9	4
60	Optimization of a Plaque Neutralization Test (PNT) to Identify the Exposure History of Pacific Herring to Viral Hemorrhagic Septicemia Virus (VHSV). Journal of Aquatic Animal Health, 2017, 29, 74-82.	0.6	4
61	Influence of Temperature on the Efficacy of Homologous and Heterologous DNA Vaccines against Viral Hemorrhagic Septicemia in Pacific Herring. Journal of Aquatic Animal Health, 2017, 29, 121-128.	0.6	4
62	Disruption of the Francisella noatunensis subsp. orientalis pdpA Gene Results in Virulence Attenuation and Protection in Zebrafish. Infection and Immunity, 2021, 89, e0022021.	1.0	4
63	Comparative Evaluation of Molecular Diagnostic Tests forNucleospora salmonisand Prevalence in Migrating Juvenile Salmonids from the Snake River, USA. Journal of Aquatic Animal Health, 2011, 23, 19-29.	0.6	3
64	Intraâ€Annual Changes in Waterborne Nanophyetus salmincola. Journal of Aquatic Animal Health, 2019, 31, 259-265.	0.6	2
65	Novel diagnostic tests for the putative agent of bacterial gill disease in Pacific razor clams (Siliqua) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	2
66	Effect of Temperature on Survival of Lost River Suckers with a Natural Infection of Ichthyobodo spp.. North American Journal of Aquaculture, 2021, 83, 184-191.	0.7	1
67	Rapid Diagnostic Test to Detect and Discriminate Infectious Hematopoietic Necrosis Virus (IHNV) Genogroups U and M to Aid Management of Pacific Northwest Salmonid Populations. Animals, 2022, 12, 1761.	1.0	1
68	Ichthyophonus sp. Infection in Opaleye (Girella nigricans). Veterinary Pathology, 2020, 57, 316-320.	0.8	0